



Prosperity
P A R T N E R S H I P

**Regional American Reinvestment and Recovery Act Clearinghouse –
Clean Energy & Environment**

1) Environmental Park Interpretive Center and Greenhouse

This project would establish an Interpretive Center and Greenhouse in Auburn’s Environmental Park District, create a facility constructed to at least LEED Silver standards, and contain educational displays, classrooms and meeting space for community and educational organizations and public events. The building would demonstrate examples of energy conservation and sustainable design building practices and water quality improvement techniques. The greenhouse and interpretive center would provide opportunities for hands-on training for local schools and environmentally-oriented businesses. The interpretive center could include permanent and changeable educational displays focusing on green building techniques, such as pervious pavement, rain gardens, solar panels, and reclaimed wood construction materials. The connected greenhouse would be used for organic gardening demonstrations and native wetland plant cultivation for ecological restoration projects.

Partnering Needs: Regional trail system advocates; Bicycling groups; Educational organizations; Recycling & energy conservation groups; Environmental & sustainable building and site design activists; Birding and wildlife viewing supporters; Washington State Recreation and Conservation Office; Rainer Audubon; Auburn Rotary; Puget Sound Energy

Project Timeline: Seek grant funding-June 2009; Obtain grant funding-July 2009; Acquire property & complete architectural drawings-Early August 2009; Begin demo and construction-August 2009; Complete construction-February 2010; Grand Opening Ceremony-March 2010

Contact: Cindy Baker, City of Auburn, cbaker@auburnwa.gov, 253-931-3091

2) Washington Energy Jobs Initiative

The goal of the Washington Energy Jobs Initiative (WEJI) is to build an industry cluster around energy efficiency and alternative energy - capitalizing on the leadership position we currently possess. The energy efficiency program focuses on validating best energy saving practices; developing an energy savings template for non-residential buildings; codifying these practices in local building codes; accelerating the aggregation of a national market opportunity; branding Puget Sound as the global energy efficiency center; developing a pipeline for trained workers; and, saving energy resources. The second component - alternative energy - focuses on providing technical assistance to alternative energy entrepreneurs. This region can become a center for alternative energy with strong technical assistance services and access to capital programs.

Partnering Needs: Energy Efficiency Companies; Alternative Energy Companies; Legal, financial, marketing, IT and other professional services firms will be identified as needed. Local Public Partners: The three local agencies participating as test beds for the virtual incubator and participating workforce and/or community colleges.

Project Timeline: 24 months

Contact: Tom Flavin, enterpriseSeattle, TFlavin@enterpriseSeattle.org, 206-389-8661

3) Renewable Energy Generation Projects

Kent is designing a new fleet and maintenance shop for city wide operations and evaluating installing renewable energy sources as part of the project.

Partnering Needs: Other similar projects

Project Timeline: Construction, phase I, 2009. Phase II 2010.

Contact: Ben Wolters, City of Kent, bwolters@ci.kent.wa.us, 253-856-5703

4) Kent Energy Efficiency Retrofit

City of Kent is working with its energy service company, McKinstry, to evaluate retrofit of several existing city facilities with new energy efficient HVAC systems. One system that has strong potential for our location is ground source heat pumps. In addition, Kent is looking at converting all City-owned street light lamps in Kent to LED Lamps.

Partnering Needs: Other similar projects. PSE, McKinstry.

Project Timeline: 2009-2010-2011 depending on the project

Contact: Ben Wolters, City of Kent, bwolters@ci.kent.wa.us, 253-856-5703

5) Kitsap SEED

The Kitsap Sustainable Energy & Economic Development (SEED) Project is an initiative of the Port of Bremerton developed to ensure green ideas grow into successful businesses which create family wage jobs, via sustainable technologies. Kitsap SEED is designed to integrate sustainable development with clean technology, creating an inspired business climate of innovation. Clean tech start-ups will occupy a 17,000 sf mix of US Green Building designed office, lab and light-manufacturing space. Tenants will receive hands-on support in critical business development functions.

Partnering Needs: The Port of Bremerton partners with Kitsap Economic Development Alliance, City of Bremerton, Olympic College, Washington State University, Kitsap SEED non-profit and is positioned to partner with other local government and businesses

Project Timeline: June 2009 - construction of entry road to SEED Business Park; Later in 2009 - construction of clean tech business incubator

Contact: Tim Thomson, Port of Bremerton, timt@portofbremerton.org, 360-674-2381x24

6) Seattle Community College Sustainability

To provide green energy and sustainable practices in a community college environment.

Partnering Needs: Clean Energy and Sustainability Expertise

Project Timeline: Fall 2009

Contact: Peter Lortz, Seattle Community College District, plortz@sccd.ctc.edu, 206-527-3747

7) Seattle Community College Green and Sustainable Medical Procedures Training Program

Develop Green and Sustainable Medical Procedures certificates and degrees. Current partner is Northwest Hospital and Medical Center

Partnering Needs: Additional Healthcare providers

Project Timeline: Fall 2010

Contact: Steve Miller, Seattle Community College District, smiller@sccd.ctc.edu, 206-529-6075

8) Green and Clean HVAC

Partnering with the Lennox Corporation based in Houston, Texas to incorporate clean energy use in Heating, Ventilation and Air Conditioning educational programs, 43 credit certificate and 97 credit degree

Partnering Needs: Contacts with Area HVAC dealers and service companies

Project Timeline: Fall 2009

Contact: Steve Miller, Seattle Community College District, smiller@sccd.ctc.edu, 206-529-6075

9) Seattle Community College Clean and Green Electronics Training Program

Develop certificates and degrees in Clean and Green Electronics

Partnering Needs: Partners in the Electronics Industry to support and sustain this effort

Project Timeline: Roll out in Fall of 2010

Contact: Steve Miller, Seattle Community College District, snmiller@sccd.ctc.edu, 206-529-6075

10) Seattle Community College Green Opportunity Assessments Training for Small Businesses

40-hour training through Continuing Education on "Green Opportunity Assessments" for small businesses

Partnering Needs: Contact with City and County Officials

Project Timeline: Project will begin the Summer of 2009

Contact: Steve Miller, Seattle Community College District, snmiller@sccd.ctc.edu, 206-529-6075

11) Project Greenhouse - Regional Residential Weatherization & Clean Energy Assistance

We aim to make Puget Sound a “first mover” on energy conservation and clean energy incubation by harnessing public and private sector stakeholders to leverage federal stimulus dollars into jobs. We will accomplish this by: Seeking federal & state funds to accelerate training and deployment of energy auditors and weatherization installers; Work with community colleges to fast-track training for auditors and installers to have addition people ready by September 1, 2009; Through the William Factory Incubator, match contractors & other start up firms with trained auditors and installers to accelerate deployment; Work with local financial institution to offer reduced or no-interest loans to speed up weatherization and energy installations; Build the model program so it can be easily replicated elsewhere around the country; Using the expertise of the William Factory Incubator and partners in the higher education business schools and private sector mentors, create a virtual incubation program to help start-up companies in the clean energy / clean technology sector develop business plans, market their services, recruit employees, accelerate the commercialization of promising technologies, and grow their business enterprises.

Partnering Needs: Project proponents are seeking public and private sector partners from throughout the Puget Sound region, including: Municipalities; Public and private gas and electric utilities; Workforce training institutions, including community and technical colleges; Workforce development councils; Higher education institutions; Private sector consultants, especially in the commercialization of emerging technologies; Banks and financial institutions; Organized Labor & Apprenticeship Programs; Construction and Building Trade Organizations; Clean Energy and Conservation Advocates

Project Timeline: 2nd Quarter 2009: assemble partners in the delivery of services, survey available resources for weatherization financing and clean energy technology deployment, and apply to competitive federal grant sources. Coordinate a job skills training acceleration plan with local community colleges. Coordinate with local utilities' existing energy conservation and weatherization programs to assemble resource lists, contractors and financing information for marketing to consumers and businesses.

3rd Quarter: recruit job trainees and match with willing contractors, apprenticeship programs and community college training opportunities. Begin region-wide marketing program to encourage homeowners and businesses to weatherize and invest in distributed energy generation equipment. Solicit start-up companies in the clean energy / clean technology field to enroll in the virtual incubator program and begin assisting them.

Contact: Tim Strege, The William Factory Small Business Incubator, tim@williamfactory.com, 253-722-5800

12) Regional Energy Efficiency Project

There are a variety of uses for these funds, such as energy audits of buildings, energy efficiency retrofits, energy conservation in transportation, renewable energy, developing a loan pool, etc. We can be very creative.

Partnering Needs: regional coalitions

Project Timeline: Awaiting Energy Efficiency competitive grant guidelines, which are anticipated to be available in spring/summer 2009.

Contact: Elly Walkowiak; City of Tacoma, ellen.walkowiak@cityoftacoma.org, 253-591-5209

13) Puget Sound New Energy Solutions

Puget Sound New Energy Solutions is a network of federal and state agencies, public and private utilities, counties, cities, regional transit authorities and non-profit organizations, coming together in development of a collaborative regional plan for clean mobility, energy efficiency and smart power grids. The goal of the group is to brand the Puget Sound as a national test bed leader in order to position the region in good standing for nationally competitive funding applications.

Partnering Needs: Public and private utilities, counties, cities, regional transit authorities and non-profit organizations.

Project Timeline: Ongoing

Contact: Matt Kuharic, King County, matt.kuharic@kingcounty.gov, 206-296-8738

14) Alliance for Aviation Fuels

The Alliance for Aviation Fuels is a public/private partnership focused on biofuels commercialization for the aviation industry. It seeks to develop "drop in" biofuels that are competitively priced, environmentally acceptable and produced from regionally-appropriate feedstocks and supply chains.

Partnering Needs: Existing partners include Boeing, Battelle, Washington State University, University of Washington, University of Missouri, Washington University, Danforth Center, and Purdue

Project Timeline: Concept paper deadline is June 2 for ARPA-E solicitation from DOE.

Contact: John Gardner, Washington State University, gardnerj@wsu.edu, 206-448-1330

15) By-Product Synergy NW - Turning Waste into Profit

This Puget Sound regional program is an innovative collaboration between businesses, government agencies and technical experts to create new uses for materials traditionally considered and treated as waste in the manufacturing process in order to reduce environmental impacts and costs associated with manufacturing. This unique program is

the only project that actively works to engage local manufacturers in the discovery of best uses for their waste materials and seeks to address barriers and aggregate materials for the highest use. The project provides education in manufacturing best practices and is helping businesses survive the economic downturn and seek new revenue streams and reduced costs of production.

Partnering Needs: The project has a strong circle of partners, including King County and Seattle Public Utility agencies, technical expertise from the Washington Department of Ecology and Washington State University and PNNL. With the loss of our major grant funding - the Public Participation Grants -- that were cut by the Washington State Legislature, we are seeking new sources of grant funds that will match the membership dues of members to help support the considerable staff time involved in managing the project.

Project Timeline: Members meet every 4-6 weeks and working groups are developing synergy opportunities in wood, metal, biomaterials, carbon, refractory brick, and construction waste.

Contact: Mary Rose, Network for Business Innovation & Sustainability By-Product Synergy NW, maryr@nbis.org, 425-828-0982

16) Washington Green Blocks

The Green Blocks project provides energy audits and some energy efficiency measures free to participating Washington residents one block at a time. These professional assessments include evaluations of home energy, water, fossil fuel, solid waste, and landscaping efficiency. Each participating home owner will receive a report outlining home performance; recommended improvements; applicable grants, rebates, and tax incentives; and available services and training. Once all environmental performance measures have been installed, EOS Alliance will track energy, water, and fuel usage for at least one year to note the benefits and changes in consumption.

Partnering Needs: CTED; Cities; Counties; Utilities; Solar installers and manufacturers; Geothermal installers and manufacturers; Smart grid/smart meter manufacturers; Workforce Development Councils; Colleges and Universities

Project Timeline: Phase I: Recruit residential city blocks to participate in pilot Start Date: June 1, 2009 End Date: June 26, 2009 Phase II: Conduct home performance pilot assessments Start date: July 6, 2009 End date: August 21,

2009 Phase III: Modify Green Blocks model based on pilot results Start date: September 1, 2009 End date: December 31, 2009 Phase IV: Implement performance assessment recommendations Start date: September 1, 2009 End date: June 30, 2010 Phase V: Deploy Green Blocks model to additional communities (ARRA) Start date: October 15, 2009 End date: June 30, 2010 Phase VI: Conduct feasibility study for deploying neighborhood clean energy technology Start date: January 1, 2010 End date: June 30, 2010 Phase VII: Implement recommendations of clean energy technology feasibility study (ARRA) Start date: July 1, 2010 End date: December 31, 2011

Contact: Erick McWayne, EOS Alliance, emcwayne@eosalliance.org, 206-762-2553

17) Green Vehicles

Britton and Associates PLLC is seeking funding for its Green Vehicle Project. This project will retrofit vehicles to burn Natural Gas, LPG, and Propane. We need \$5 million in form of Grants and Loans to get this project from prototype to production.

Partnering Needs: Funding partners

Project Timeline: Current

Contact: Antonio Britton, Britton and Associate PLLC, brittonantonio2009@yahoo.com, 318-791-3022

18) Seattle High Rise

The placement of Small wind turbines in clusters on a custom frame on the roof top of several high rise commercial office and high rise condominium projects within the core downtown Seattle area. Goal to provide 20-40% of total building energy needs. In addition to energy savings, the project will employ hundreds of people.

Partnering Needs: Feasibility studies, engineering, Structural, help with adding additional inventory for more efficient deployment, overhead expenses associated with ramped up several projects going on simultaneously.

Project Timeline: Current

Contact: Ted Thomas, Northwest Windpower, LLC, nwwindpower@aol.com, 888-712-8088

19) Pilot Biodiesel Processor Technology Commercialization

We have a patented biodiesel processing design that has been proven to operate at over 300 gallons per hour and have been working on a larger unit designed for about 1000 gallons per hour. We are currently looking for partner organization(s) academic, nonprofit and commercial who are interested in utilizing our pilot technology to prove out their biodiesel production capabilities with our affordable technology.

Partnering Needs: Those interested in purchasing our 'Model A' series biodiesel processing units manufactured by Olympia Green Fuels llc (OGF) and working closely with OGF in fine tuning our technology and working towards streamlining the permitting process required for this technology. We are particularly interested in working with entities who are developing biofuel feedstocks such as algae or are already working with the collection of used kitchen fryer oils as well as farm coops or collectives interested in producing their own biodiesel in-house.

Project Timeline: Ongoing

Contact: Mike Pelly, Olympia Green Fuels LLC, mike@OlympiaGreenFuels.com, 360-866-4268

20) 21 Acres Center for Local Food and Sustainable Living

4400 Square Foot building with state of the art integrated energy and water systems. Will be an education facility for farmers, commercial processing center and kitchen and farmers market. All systems are demonstration systems for energy and water conservation.

Partnering Needs: Education Partners for Green Energy Programs; Corporate Supporters; Capital Campaign Contributions

Project Timeline: Construction in progress. Anticipated completion: May 2010

Contact: Joanne Hedou, 21 Acres, joanne@21acres.org, 206-935-3561

21) Chelan PUD Line Extension

Connect isolated solar power sources to the grid for net metering. Eliminate day-to-day use of fossil-fueled generators by residents in Chelan County PUD's territory. Conserve or create jobs with grid infrastructure skills. Connect rural residences to broadband (fiber) infrastructure already in place for most other County residents.

Partnering Needs: Grant writer, off-grid homeowners, excavation contractors, PUD, conservation organizations.

Project Timeline: Single line extension serving approximately 6 residents: 3 months to 1 year. \$50,000 or less. Multiple projects reaching all off-grid residences in Chelan County: 2 years.

Contact: Denis Du Bois, P5, psrc.dd@p5group.com, 425-485-2332

22) Kitsap County Solar Trash Compacting Waste Receptacles

This project would purchase 80 solar waste compactors and recycling bins. This purchase will help reduce Kitsap County's overall fossil fuel consumption by removing the need to drive 3,200 hours or 44,000 miles annually for waste collection in our park system.

Partnering Needs: Kitsap County Parks Department, Cities, Big Belly Solar, Leader International Corporation, Washington Clean Technology Alliance, Olympic Workforce Development Council, Kitsap Economic Development Alliance, Olympic College, Washington State University Extension, Kitsap Green Jobs Initiative-Clean Technology Sector, University of Washington

Project Timeline: Completion by the end of 2009

Target Funding Source: EECBG Formula Funding

Contact: Dean Boening, Kitsap County, dboening@co.kitsap.wa.us, 360-337-5784

23) Kitsap County Electric Retrofit for County Vehicle Fleet

This project includes retrofit conversion of a late model gas powered 3/4 ton truck to a 100% plug-in electric vehicle. The work will be carried out by a small local company, Manzanita Micro. This project entails installing a series of high capacity lithium ion vehicle batteries, which will provide the necessary power for the existing drive train of the truck..

Partnering Needs: Kitsap Green Jobs-Clean Technology Sector, Manzanita Micro, Olympic College, Washington State University Extension, Kitsap Economic Development Alliance, Washington Clean Technology Alliance, Puget Sound Energy, Kitsap Clean Tech Working Group, Energy Conversation Committee, Sustainable Communities All Over Puget Sound, Olympic Workforce Development Council, University of Washington

Project Timeline: 2009

Target Funding Source: EECBG Formula Funding

Contact: Dean Boening, Kitsap County, dboening@co.kitsap.wa.us, 360-337-5784

24) Kitsap County Electric Vehicle Charging Stations

Three charging stations will provide rapid recharge capability for an all electric retrofit of a heavy-duty truck. The stations will provide a 400-480 volt capability that will charge a 3/4 ton truck in 30 minutes or less. At least one or more station will include other plug types, to allow more utility for 110 or 220 volt plug-in vehicles.

Partnering Needs: Kitsap Green Jobs-Clean Technology Sector, Manzanita Micro, Olympic College, Washington State University Extension, Kitsap Economic Development Alliance, Washington Clean Technology Alliance, Puget Sound Energy, Kitsap Clean Tech Working Group, Energy Conversation Committee, Sustainable Communities All Over Puget Sound, Olympic Workforce Development Council, University of Washington

Project Timeline: 2009

Target Funding Source: EECBG Formula Funding

Contact: Dean Boening, Kitsap County, dboening@co.kitsap.wa.us, 360-337-5784

25) Kitsap Food Chain Demonstration Projects

This project brings local agricultural partners together to strengthen local food production and distribution efforts with grants and low-interest loans. Grants would be made to individuals, joint ventures, corporations or other business entities located in Kitsap County. Consistent with Kitsap Green Jobs Initiative Kitsap Food Chain sector, proposed projects for potential funding through this program include the following: Mobile cold storage units, Kitsap Food Co-op feasibility study, Mobile poultry processing unit, Farm energy demonstration, Education and assistance (e.g. horticulture practices, organic farming, livestock management, business planning). Criteria for grant approval could include a five-year business plan, market analysis, project budget, demonstrated ability to increase energy efficiency and reduce greenhouse gas emissions through decreased transportation needs, increased power generation and enhanced natural systems.

Partnering Needs: Kitsap County Health District, Kitsap County Conservation District, Kitsap Community Agriculture Alliance, Farmer's Market Association (Washington State and Kitsap County), Olympic College, Washington State University Extension, Kitsap Green Jobs Initiative-Food Chain Sector, Local Restaurants, Kitsap County School Districts, Private schools, Kitsap Economic Development Alliance, Kitsap Visitor and Convention Bureau, Olympic Workforce Development Council

Project Timeline: 2009

Target Funding Source: EECBG Formula Funding

Contact: Dean Boening, Kitsap County, dboening@co.kitsap.wa.us, 360-337-5784

26) Seattle Electricity Storage Team (SEleST)

Partnering Needs: I want to form a multi-discipline scientific team to discover a new method of storing electricity. This new medium for storing electricity will be lighter and capable of storing more electricity than current 19th century battery technology. The first widespread usage would be for powering automobiles and trucks.

Project Timeline: The total time line of the project is ten weeks, of which the design team actually participates for six week. I need the prior four weeks to coordinate the working location and materials, and selecting the scientific team members from doctoral and post-doctoral students from the University of Washington.

Target Funding Source: n/a

Contact: Bob Wall, BobWallToo@AOL.Com, 206.789.9840

27) Puget Sound Green Jobs Vision

This project aims to create green collar jobs for the region in three ways: 1. Connect the private sector to our research universities for entrepreneurial expansion. 2. Educate and assist the public by introducing them to new technologies. 3. Support and mentor new clean tech businesses through incubation services. To be located in Auburn's Environmental Park District, managed by Tacoma's William Factory Incubator. Strong ties to WSU and Green River Community College. Private sector advisors will come from corporate endorsers such as Weyerhaeuser, Parametrix Engineering, Mithun, and Waste Management. Initial niche is storm water management and low impact development, with some alternative energy companies also involved.

Partnering Needs: More corporate endorsers/advisors welcome. Ties to other incubators desired.

Project Timeline: WSU research begins 9/09. 2010 design/construction

Target Funding Source: DOE competitive grants and the EPA

Contact: City of Auburn Deputy Mayor Sue Singer, ssinger@auburnwa.gov, 253.261.0367